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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,566	02/08/2006	Hiroshi Morinaga	Q93052	6626
23373 7590 02/14/2008 SUGHRUE MON, PLLC 2100 PENNSYI VANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER	
			JENKINS, JERMAINE L	
			ART UNIT	PAPER NUMBER
			2855	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/567,566 MORINAGA, HIROSHI Office Action Summary Examiner Art Unit JERMAINE JENKINS 2855 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 03 December 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 6-15 is/are allowed. 6) ☐ Claim(s) 1 and 3-5 is/are rejected. 7) Claim(s) 2 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SE/08)
Paper No(s)/Mail Date ______

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1 & 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schick (7.158.018) in view of Kogure et al (7.316.251).

In regards to claim 1, Schick teaches a tire sensing apparatus having at least two input detection means (38, i.e. sensor units) for detecting an input from the road which acts on a tire tread portion (Column 4, lines 3-30), which are buried in a tread rubber (Column 7, lines 15-26 & lines 35-38; See Figure 1 & Claims 1& 4). However, Schick does not teach disposing the input detection means on the outer side in the radial direction of a tire belt layer.

Kogure et al teaches a tire warning device having a tire mounting device (1; consisting of temperature sensor (3) for detecting the conditions of a running tire; See Column 2, lines 35-44) being buried in a tread rubber (11A, i.e. shoulder area of the tread 11) on the outer side in the radial direction of a tire belt layer (16) (Column 4, line 65 - Column 5, line 3; See Figure 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to place sensors on the outer side in the radial direction of a tire belt layer as taught by Kogure et al into the tire sensing

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apparatus of Schick for the purpose of improving on detection accuracy of tire breakdown by eliminating the delay in the detection of tire breakdown thus allowing traveling safety to be enhanced (Column 5, lines 22-32; Kogure et al).

With respect to claim 3, Schick teaches wherein the tire input detection means (38) are arranged on the inner side in the radial direction of a tread block contact portion (See Figure 1).

With respect to claim 4, Schick teaches wherein the tire input detection means (38) is pressure sensors whose detection direction is a tire radial direction (Column 4, lines 3-30).

With respect to claim 5, Schick teaches wherein the tire input detection means is pressure sensors whose detection direction is a tire circumferential direction (Column 4, lines 3-30; See Figure 5).

Allowable Subject Matter

3. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JERMAINE JENKINS whose telephone number is Application/Control Number: 10/567,566

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(571)272-2179. The examiner can normally be reached on Monday-Friday 9am-530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Edward Lefkowitz/ Supervisory Patent Examiner, Art Unit 2855 Jermaine Jenkins Examiner Art Unit 2855